

CLAIMS

1. An erythropoietin solution preparation containing an amino acid as a stabilizer.
2. The solution preparation of claim 1, which contains the amino acid, but does not contain a protein, as a stabilizer.
3. The solution preparation of claim 1 or 2, wherein the amino acid is one or more members selected from the group consisting of leucine, tryptophan, serine, glutamic acid, arginine, histidine and lysine, and their salts.
4. The solution preparation of any one of claims 1 to 3, wherein the amino acid is one or more members selected from the group consisting of L-leucine, L-tryptophan, L-glutamic acid, L-arginine, L-histidine and L-lysine, and their salts.
5. The solution preparation of claim 1, which contains as the stabilizer one or more members selected from the group consisting of L-arginine, L-histidine and L-lysine, and their salts.
6. The solution preparation of claim 5, wherein the concentration of the amino acid is 0.1 to 40 mg/ml.
7. The solution preparation of claim 5, wherein the stabilizer is L-histidine.
8. The solution preparation of claim 7, wherein the concentration of the histidine is 1.0 to 4.0 mg/ml.
9. The solution preparation of any one of claims 1 to 8, which further contains a surfactant.
10. The solution preparation of claim 9, wherein the surfactant is a polyoxyethylene sorbitan alkyl ester.

11. The solution preparation of claim 10, wherein the surfactant is polysorbate 20 and/or 80.
12. The solution preparation of any one of claims 1 to 11, which further contains a salt.
13. The solution preparation of claim 12, wherein the salt is sodium chloride.
14. The solution preparation of any one of claims 1 to 13, which has been dissolved in a buffer.
15. The solution preparation of claim 14, wherein the buffer is a phosphate buffer and/or a citrate buffer.
16. The solution preparation of any one of claims 1 to 15, which does not contain urea.
17. Use of an amino acid as a stabilizer of an erythropoietin solution preparation.
18. An erythropoietin solution preparation obtained by dissolving an amino acid, a surfactant, and a salt in a buffer.